

PTO/SB/08A (08-03)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/660,857	
			Filing Date	September 12, 2003	
			First Named Inventor	PHAN, LOC X.	
			Art Unit	Unassigned	
Examiner Name	Unassigned				
Sheet	1	of	10	Attorney Docket Number	018563-001140US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
Ced	AA	2,467,432	04-19-1949	Kesling	
	AB	3,660,900	05-09-1972	Andrews	
	AC	3,860,803	01-14-1975	Levine	
	AD	3,916,526	11-04-1975	Schudy	
	AE	3,950,851	04-20-1976	Bergersen	
	AF	4,014,096	03-29-1977	Dellinger	
	AG	4,195,046	03-25-1980	Kesling	
	AH	4,324,546	04-13-1982	Heitlinger et al.	
	AI	4,348,178	09-07-1982	Kurz	
	AJ	4,478,580	10-23-1984	Barut	
	AK	4,504,225	03-12-1985	Yoshii	
	AL	4,505,673	03-19-1985	Yoshii	
	AM	4,575,805	03-11-1986	Moermann, et al.	
	AN	4,611,288	09-09-1986	Duret et al.	
	AO	4,656,860	04-14-1987	Orthuber et al.	
	AP	4,663,720	05-05-1987	Duret et al.	
	AQ	4,742,464	05-03-1988	Duret et al.	
	AR	4,755,139	07-05-1988	Abbatte et al.	
	AS	4,763,791	08-16-1988	Halverson et al.	
	AT	4,793,803	12-27-1988	Martz	
	AU	4,798,534	01-17-1989	Breads	
	AV	4,837,732	06-06-1989	Brandestini et al.	
	AW	4,850,864	07-25-1989	Diamond	
	AX	4,856,991	08-15-1989	Breads et al.	
	AY	4,936,862	06-26-1990	Walker et al.	
	AZ	4,937,928	07-03-1990	van der Zel	
	BA	4,964,770	10-23-1990	Steinbichler et al.	
	BB	4,975,052	12-04-1990	Spencer et al.	
	BC	5,011,405	04-30-1991	Lemchen	
	BD	5,017,133	05-21-1991	Miura	
	BE	5,027,281	06-25-1991	Rekow et al.	
	BF	5,035,613	07-30-1991	Breads et al.	
	BG	5,055,039	10-08-1991	Abbatte et al.	
	BH	5,059,118	10-22-1991	Breads et al.	
BI	5,100,316	03-31-1992	Wildman		
BJ	5,121,333	06-09-1992	Riley et al.		
BK	5,128,870	07-07-1992	Erdman et al.		
BL	5,131,843	07-21-1992	Hilgers et al.		
BM	5,131,844	07-21-1992	Marnaccio et al.		
BN	5,139,419	08-18-1992	Andreiko et al.		
Ced	BO	5,184,306	02-02-1993	Erdman et al.	
Examiner Signature	Cary E O Connor			Date Considered	2/3/06

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60298039 v1

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CLO	BP	5,186,623	02-16-1993	Breads et al.	
	BQ	5,257,203	10-26-1993	Riley et al.	
	BR	5,273,429	12-28-1993	Rekow et al.	
	BS	5,278,756	01-11-1994	Lemchen et al.	
	BT	5,338,198	08-16-1994	Wu et al.	
	BU	5,340,309	08-23-1994	Robertson	
	BV	5,342,202	08-23-1994	Deshayes	
	BW	5,368,478	11-29-1994	Andreiko et al.	
	BX	5,382,164	01-17-1995	Stem	
	BY	5,395,238	03-07-1995	Andreiko et al.	
	BZ	5,431,562	11-11-1995	Andreiko et al.	
	CA	5,440,496	08-08-1995	Andersson et al.	
	CB	5,447,432	09-05-1995	Andersson et al.	
	CC	5,452,219	09-19-1995	Dehoff et al.	
	CD	5,454,717	10-03-1995	Andreiko et al.	
	CE	5,456,600	10-10-1995	Andreiko et al.	
	CF	5,474,448	12-12-1995	Andreiko et al.	
	CG	5,518,397	05-21-1996	Andreiko et al.	
	CH	5,533,895	07-09-1996	Andreiko et al.	
	CI	5,542,842	08-06-1996	Andreiko et al.	
	CJ	5,549,476	08-27-1996	Stem	
	CK	5,587,912	12-24-1996	Andersson et al.	
	CL	5,605,459	02-25-1997	Kuroda et al.	
	CM	5,607,305	03-04-1997	Andersson et al.	
	CN	5,645,421	07-08-1997	Slootsky	
	CO	5,655,653	08-12-1997	Chester	
	CP	5,683,243	11-04-1997	Andreiko et al.	
	CQ	5,733,126	03-31-1998	Andersson et al.	
	CR	5,740,267	04-14-1998	Echerer et al.	
	COT	CS	5,975,893	11-02-1999	Chishti et al.

FOREIGN PATENT DOCUMENTS								
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CLO	CT	EP	091,876	A1	10-19-1983	Duret		<input type="checkbox"/>
CLO	CU	EP	299,490	A2	01-18-1989	Steinbichler et al.		<input type="checkbox"/>
CLO	CV	EP	376,873	A2	07-04-1990	Shafir		<input type="checkbox"/>
CLO	CW	EP	490,848	B1	06-17-1992	Andersson et al.		<input type="checkbox"/>
CLO	CX	EP	541,500	A1	06-12-1998	Andersson et al.		<input type="checkbox"/>

Examiner Signature	<i>Cary E O'Connor</i>	Date Considered	2/3/06
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LED ↓ uo	CY	EP	731,673	B1	09-18-1998	Andersson et al.		<input type="checkbox"/>
	CZ	EP	774,933	B1	05-28-1997	Oden et al.		<input type="checkbox"/>
	DA	FR	2,652,256	A1	03-29-1991	Jourda		<input type="checkbox"/>
	DB	FR	2,369,828	A1	06-02-1978	Suyehiro		<input type="checkbox"/>
	DC	WO	90/08,512	A1	08-09-1990	Lemcren		<input type="checkbox"/>
	DD	WO	91/04,713	A1	04-18-1991	Jourda et al.		<input type="checkbox"/>
	DE	WO	94/10,935	A1	05-26-1994	Andreiko et al.		<input type="checkbox"/>
	DF	WO	98/44,865	A1	10-15-1998	Andersson		<input type="checkbox"/>
	DG	WO	98/58,596	A1	12-30-1998	Chishtu et al.		<input type="checkbox"/>

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NON PATENT LITERATURE DOCUMENTS				
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ced	DH	ALEXANDER et al., "The DigiGraph Work Station Part 2, Clinical Management," <i>JCO</i> (July 1990), pp. 402-407.		
	DI	ALTSCHULER et al., "Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces," <i>Optical Engineering</i> , Vol. 20(6) (1981), pp. 953-961.		
	DJ	ALTSCHULER et al., "Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix," <i>SPIE Imaging Applications for Automated Industrial Inspection and Assembly</i> , vol. 182 (1979), p. 187-191.		
	DK	ALTSCHULER et al., "Analysis of 3-D Data for Comparative 3-D Serial Growth Pattern Studies of Oral-Facial Structures," Program and Abstracts of Papers, Feb. 1975, <i>Journal of Dental Research</i> , Vol. 54, IADR Abstracts 1979, 2 pages total.		
	DL	ALTSCHULER, "3D Mapping of Maxillo-Facial Prosthesis," AADR Abstract #607, 1980, 2 pages total..		
	DM	American Association for Dental Research, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.		
	DN	ANDERSSON et al., "Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion," <i>Acta Odontologica Scandinavica</i> , vol. 47 (1989), pp. 279-286.		
	DO	BAUMRIND et al., "A stereophotogrammetric system for the detection of prosthesis loosening in total hip arthroplasty, Applications of Human Biostereometrics (NATO)," Proceedings of the Society of Photo-Optical Instrumentation Engineers, Vol. 166, July 9-13, 1978, pp. 112-123.		
	DP	BAUMRIND et al., "Mapping the Skull in 3-D, Reprinted from The Journal, <i>California Dental Association</i> , Vol. 48, No. 2 (1972 Fall Issue) 11 pages total.		
	DQ	BAUMRIND et al., "Seminars in Orthodontics," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), p. 222.		
	DR	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," An invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp. 1-25.		
	DS	BAUMRIND, "Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), pp. 223-232.		
	DT	BEGOLE et al., "A Computer System for the Analysis of Dental Casts," <i>The Angle Orthodontist</i> , Vol. 51 No. 3 (July 1981), pp. 253-259.		
	DU	BERNARD et al., "Computerized diagnosis in Orthodontics for Epidemiological Studies" (progress report), Abstracts of Papers, <i>Journal of Dental Research</i> , Vol. 71, Special Issue March 1-14, 1992, pp. 28-36.		
	DV	BHATIA et al., "A Computer-Aided Design for Orthognathic Surgery," <i>British Journal of Oral and Maxillofacial Surgery</i> , Vol. 22 (1984), pp. 237-253.		
ces	DW	BIGGERSTAFF et al., "Computerized analysis of occlusion in the postcanine dentition," <i>American Journal of Orthodontics</i> , Vol. 61, No. 3 (Mar. 1972), pp. 245-254.		

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CEO	DX	BIGGERSTAFF, "Computerized Diagnostic Setups and Simulations," <i>The Angle Orthodontist</i> , Vol. 40, No. 1 (Jan. 1970), pp. 28-36.	
	DY	BRANDESTINI et al., "Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation," <i>Journal of Dental Research</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts 1985, 1 page total.	
	DZ	BROOK et al., "An Image Analysis System for the Determination of Tooth Dimensions from Study Casts: Comparison with Manual Measurements of Mesio-distal Diameter, Abstract of Papers, 1985, Dept. of Children's Dentistry and Orthodontics, <i>J Dent Res.</i> , March 1986, pp. 428-431.	
	EA	BURSTONE (interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Parts 1 and 2)," <i>Journal of Clinical Orthodontics</i> , (Part 1) Vol. 8, No. 7, July 1979; (Part 2) Vol. 8, No. 8 pp. 539-551, Aug. 1979.	
	EB	BURSTONE et al., "Precision adjustment of the transpalatal lingual arch: Computer arch form predetermination," <i>Am. Journal of Orthodontics</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.	
	EC	CHACONAS et al., "The DigiGraph Work Station, Part 1, Basic Concepts," <i>JCO</i> (June 1990), pp. 360-367.	
	ED	CHAFETZ et al., "Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation," <i>Clinical Orthopaedics and Related Research</i> , No. 201 (December 1985), pp. 60-67.	
	EE	CHIAPPONE, "Constructing the gnathologic setup and positioner" <i>J. Clin. Orthod.</i> , 14:121-133, 1980.	
	EF	COTTINGHAM, "Gnathologic clear plastic positioner" <i>Am. J. Orthod.</i> , 55:23-31, 1969.	
	EG	CRAWFORD, "Computers in Dentistry: Part 1: CAD/CAM: The Computer Moves Chairside," "Part 2: F. Duret — A Man With A Vision," "Part 3: The Computer Gives New Vision- Literally," "Part 4: Bytes 'N Bites' The Computer Moves From The Front Desk To The Operator," <i>Canadian Dental Journal</i> , vol. 54(9), (1988), pp. 661-666.	
	EH	CRAWFORD, "CAD/CAM in the Dental Office: Does It Work?" <i>Canadian Dental Journal</i> , Vol. 57, No. 2 (Feb. 1991), pp. 121-123.	
	EI	CROOKS, "CAD/CAM Comes to USC," <i>USC Dentistry</i> , (Spring 1990) pp. 14-17.	
	EJ	CURETON, "Correcting malaligned mandibular incisors with removable retainers" <i>J. Clin. Orthod.</i> , 30:390-395, 1996.	
	EK	CURRY et al., "Integrated Three-Dimensional Craniofacial Mapping at the Craniofacial Research Instrumentation Laboratory/University of the Pacific," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), pp. 258-265.	
✓	EL	CUTTING et al., "Three-Dimensional Computer-Assisted Design of Craniofacial Surgical Procedures: Optimization and Interaction with Cephalometric and CT-Based Models," <i>Plastic and Reconstructive Surgery</i> , Vol. 77, No. 6 (June 1986), pp. 877-885.	
CEO	EM	DCS Dental AG, "The CAD/CAM 'DCS Titan System' for Production of Crowns/Bridges" <i>DSC Production AG</i> , Jan. 1992, pp. 1-7.	

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CAD	EN	DEFRANCO et al., "Three-Dimensional Large Displacement Analysis of Orthodontic Appliances," <i>J. Biomechanics</i> , Vol. 9 (1976), pp. 793-801.		
	EO	Dental Institute University of Zurich Switzerland, Program for International Symposium on Computer Restorations: State of the Art of the CEREC-Method, May 1991, 3 pages total.		
	EP	DenTrac Corporation, Dentrac document, pp. 4-13.		
	EQ	DURET et al., "CAD-CAM in Dentistry," <i>Journal of the American Dental Association</i> , Vol. 117 (Nov. 1988), pp. 715-720.		
	ER	DURET et al., "CAD/CAM imaging in dentistry," <i>Current Opinion in Dentistry</i> , Vol. 1 (1991), pp. 150-154.		
	ES	DURET, "The Dental CAD/CAM, General Description of the Project," <i>Hennson International Product Brochure</i> , Jan. 1986., 18 pages total.		
	ET	DURET, "Vers une prothese informatisee," (English translation also attached), <i>Tonus</i> , vol. 75, (Nov. 15, 1985), pp. 55-57.		
	EU	ECONOMIDES, "The Microcomputer in the Orthodontic Office," <i>JCO</i> , (Nov. 1979), pp. 767-772.		
	EV	ELSASSER, "Some observations on the history and uses of the Kesling positioner" <i>Am. J. Orthod.</i> , 36:368-374, 1950.		
	EW	FABER et al., "Computerized interactive orthodontic treatment planning," <i>Am. J. Orthod.</i> , Vol. 73, No. 1 (Jan. 1978), pp. 36-46.		
	EX	FELTON et al. "A computerized analysis of the shape and stability of mandibular arch form," <i>Am. Journal of Orthodontics and Dentofacial Orthopedics</i> , Vol. 92, No. 6 (Dec. 1987), pp. 478-483.		
	EY	FRIEDE et al., "Accuracy of Cephalometric Prediction in Orthognathic Surgery," <i>Abstract of Papers, Journal of Dental Research</i> , Vol. 70 (1987), pp. 754-760.		
	EZ	GIM-ALLDENT Deutschland, "Das DUX System: Die Technik" 4 pages total.		
	FA	GRAYSON, "New Methods for Three Dimensional Analysis of Craniofacial Deformity," Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery, AAOMS Sept. 13, 1990, 3 pages total.		
V	FB	GUESS et al., "Computer Treatment Estimates in Orthodontics and Orthognathic Surgery," <i>JCO</i> , (April, 1989), pp. 262-28.		
Co	FC	HEAVEN et al., "Computer-based Image Analysis of Artificial Root Surface Caries," "Automated Identification of Landmarks in Cephalometric Radiographs," <i>Abstracts of Papers, Journal of Dental Research</i> , Vol. 67, March 9-13, 1988, 2 pages total.		

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CED	FD	HOFFMANN et al., "Role of Cephalometry for Planning of Jaw Orthopedics and Jaw Surgery Procedures," (Article Summary In English, article in German), <i>Informationen</i> , (March 1991), pp. 375-396.	
	FE	HUCKINS, "CAD-CAM Generated Mandibular Model Prototype from MRI Data," <i>AAOMS</i> 1999, p. 96.	
	FF	Inside the ADA, <i>Journal Of The American Dental Assoc.</i> , Vol. 118 (March 1989) 9 pages total.	
	FG	JCO Interviews, "Craig Andreiko, DDS, MS on the Elan and Orthos Systems", JCO, (Aug. 1994), pp. 459-468.	
	FH	JCO Interviews, "Dr. Homer W. Phillips on Computers in Orthodontic Practice, Part 2," JCO, (Dec. 1983), pp. 819-831.	
	FI	JERROLD, "The problem, electronic data transmission and the law," <i>AJO-DO</i> , (Apr. 1988), pp. 478-479.	
	FJ	JONES et al., "An Assessment of the Fit of a Parabolic Curve to Pre- and Post-Treatment Dental Arches," <i>British Journal of Orthodontics</i> , Vol. 16 (1989), pp. 85-93.	
	FK	KAMADA et al., "Case reports on tooth positioners using LTV vinyl silicone rubber" J. Nihon University School of Dentistry, 26(1):11-29, 1984.	
	FL	KAMADA et al., "Construction of tooth positioners with LTV vinyl silicone rubber and some case reports" J. Nihon University School of Dentistry, 24(1):1-27, 1982.	
	FM	KANAZAWA et al., "Three-Dimensional Measurements of the Occlusal Surfaces of Upper Molars in a Dutch Population," <i>J. Dent Res.</i> , Vol. 63, No. 11 (Nov. 1984), pp. 1298-1301.	
	FN	KESLING, "Coordinating the predetermined pattern and tooth positioner with conventional treatment" <i>Am. J. Orthod. Oral. Surg.</i> , 32:285-293, 1946.	
	FO	KESLING, "The philosophy of the tooth positioning appliance" <i>Am. J. Orthod. Oral. Surg.</i> , 31(6):297-304, 1945.	
	FP	KLEEMANN et al., "The speed positioner" <i>J. Clin. Orthod.</i> , 30:673-680, 1996.	
	FQ	KURODA et al., "Three-dimensional dental cast analyzing system using laser scanning" <i>Am. J. Orthod. Dentofac. Orthop.</i> , 110:365-369, 1996.	
	FR	LAURENDEAU et al., "A Computer-Vision Technique for the Acquisition and Processing of 3-D Profiles of Dental Imprints: An Application in Orthodontics," <i>IEEE Transactions on Medical Imaging</i> , Vol. 10, No. 3 (Sept. 1991), pp. 453-461.	
CED	FS	LEINFELDER et al., "A new method for generating ceramic restorations: a CAD-CAM system," <i>Journal Of The American Dental Assoc.</i> , Vol. 118, No. 6 (Jun. 1989), pp. 703-707.	

Examiner Signature	Cary E. Q. Connor	Date Considered	2/3/06
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete If Known		
			Application Number	10/660,857	
			Filing Date	September 12, 2003	
			First Named Inventor	PHAN, LOC X.	
			Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	8	of	10	Attorney Docket Number	018563-001140US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CEO	FT	MCNAMARA et al., <i>Orthodontic and Orthopedic Treatment in the Mixed Dentition</i> , Needham Press, January 1993. pp.347-353.	
	FU	MCNAMARA et al., "Invisible Retainers", <i>J. Clinical Orthodontics</i> , (August 1985) pp. 570-578.	
	FV	MOERMANN et al., "Computer Machined Adhesive Porcelain Inlays: Margin Adaptation after Fatigue Stress," IADR Abstract 339, <i>Journal of Dental Research</i> , vol. 66(a) (1987), p. 339.	
	FW	MÖRMANN et al., "Marginal Adaptation von adhasiven Porzellaninlays in vitro," <i>Schweizerische Monatsschrift für Zahnmedizin</i> , Vol. 85 (1985), p. 1118-1129.	
	FX	MÖRMANN et al., "Marginale Adaptation von adhäsiven Porzellaninlays in vitro," Separatdruck aus: Schweiz. Mschr. Zahnmed. 95: 1118, 1985.	
	FY	NAHOUM, "The vacuum formed dental contour appliance" <i>The New York State Dental Journal</i> , 30(9):385-390, Nov. 1984.	
	FZ	NASH, "CEREC CAD/CAM Inlays: Aesthetics and Durability in a Single Appointment," <i>Dentistry Today</i> , (October 1990), pp. 20, 22-23, 54.	
	GA	NISHIYAMA et al., "A new construction of tooth repositioner by LTV vinyl silicone rubber" <i>J. Nihon University School of Dentistry</i> , 19(2):93-102, 1977.	
	GB	PINKHAM, "'Foolish' Concept Propels Technology," <i>Dentist</i> , Jan/Feb. 1989, 3 pages total.	
	GC	PINKHAM, "Inventor's CAD/CAM may transform dentistry," <i>Dentist</i> , Sept. 1990, 3 pages total.	
	GD	PONITZ, Invisible Retainers, 59 <i>Am. J. Orthodontics</i> , March 1971, pp. 266-272.	
	GE	Procera Research Projects, <i>PROCERA Research Projects 1993 — Abstract Collection</i> , 1993, pp. 3-28.	
	GF	REKOW, "A Review of the Developments in Dental CAD/CAM Systems," (contains references to Japanese efforts and content of the papers of particular interest to the clinician are indicated with a one-line summary of their content in the bibliography), <i>Dental Clinics: Prosthodontics and Endodontics</i> , pp.25-33, 1992.	
	GG	REKOW, "CAD/CAM in Dentistry: A Historical Perspective and View of the Future," <i>Journal</i> , Vol. 58 No. 4, (April 1992), pp. 283, 287-288.	
✓	GH	REKOW, "Computer-Aided Design and Manufacturing in Dentistry: A Review of the State of the Art," <i>The Journal of Prosthetic Dentistry</i> , Vol. 58, No. 4 (Oct. 1987), pp. 512-516.	
CEO	GI	REKOW, "Dental CAD-CAM Systems: What is the State of the Art?" <i>Journal of the American Dental Assoc.</i> , Vol. 122 (1991), pp. 43-48.	

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CCD	GJ	REKOW, "Feasibility of an Automated System for Production of "Dental Restorations," PhD Thesis, Univ. of Minnesota, Nov. 1988, 244 pages total.	
	GK	RICHMOND et al., Research Reports, "The development of a 3D Cast Analysis System," <i>British Journal of Orthodontics</i> , pp. 53-54.	
	GL	RICHMOND, "Recording the dental cast in three dimensions," <i>Am. J. Orthod. Dentofac. Orthop.</i> , Vol. 92, No. 3, (Sept. 1987), pp.199-206.	
	GM	RUDGE, "Dental arch analysis: arch form, A review of the literature," <i>European Journal of Orthodontics</i> , Vol. 3, No. 4 (1981), pp.279-284.	
	GN	SAKUDA et al., "Integrated information-processing system in clinical orthodontics: An approach with use of a computer network system," <i>Am. J. Orthod. Dentofac. Orthop.</i> Vol. 101 No. 3 (March 1992), pp. 210-220.	
	GO	SCHELLHAS et al., "Three-Dimensional Computer Tomography in Maxillofacial Surgical Planning," <i>Arch Otolaryngol Head Neck Surg.</i> Vol. 114 (April 1988), pp. 438-442.	
	GP	SEGÜ et al., "Computer-aided Cephalometry and New Mechanics in Orthodontics" (Article Summary in English, article in German), <i>Fortschr. Kieferorthop.</i> 44, 370-376 (Nr. 5), 1983	
	GQ	SHILLIDAY, "Minimizing finishing problems with the mini-positioner" <i>Am. J. Orthod.</i> 59:596-599, 1971	
	GR	Siemens, "CEREC - Computer-Reconstruction, "High Tech in der Zahnmedizin, 14 page total.	
	GS	Sirona Dental Systems GmbH, CEREC 3D, Manuel utilisateur, Version 2.0X (in French), 2003, 114 pages total.	
	GT	STOLL et al., "Computer-aided Technologies in Dentistry" (Article Summary in English, article in German), <i>Dtsch Zahnärztl Z</i> 45, 314-322, 1990.	
	GU	U.S. Department of Commerce, National Technical Information Service, "Automated Crown Replication Using Solid Photography SM," Solid Photography Inc. Melville NY, October 1977, 21 pages total.	
	GV	U.S. Department of Commerce, National Technical Information Service, "Holodontography: An Introduction to Dental Laser Holography," School of Aerospace Medicine Brooks AFB Tex, March 1973, 37 pages total.	
	GW	U.S. Provisional Patent Application No. 60/050342, filed on June 20, 1997, 41 pages total.	
✓	GX	VAN DER LINDEN et al., Three-Dimensional Analysis of Dental Casts by Means of the Optocom," <i>J Dent Res</i> , July-August 1972, p. 1101.	
CCD	GY	VAN DER LINDEN, "A New Method to Determine Tooth Positions and Dental Arch Dimensions," July-August 1972, p. 1104.	

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CEO	GZ	VAN DER ZEL, "Ceramic-fused-to-metal Restorations with a New CAD/CAM System," <i>Quintessence International</i> , vol. 24(11) (1993), pp. 769-778.	
	HA	VÁRADY et al., "Reverse Engineering of Geometric Models - An Introduction," May 13, 1996, pp. 1-28.	
	HB	WARUNEK et al., "Clinical use of silicone elastomer appliances" <i>JCO</i> , MH (10):694-700, 1989.	
	HC	WARUNEK et al., "Physical and mechanical properties of elastomers in orthodontic positioners" <i>Am. J. Orthod. Dentofac. Orthop.</i> , 95:388-400, 1989.	
	HD	WELLS, "Application of the positioner appliance in orthodontic treatment" <i>Am. J. Orthodont.</i> , 58:351-366, 1970.	
	HE	WILLIAMS, "Dentistry and CAD/CAM: Another French Revolution," <i>Journal of Dental Practice Admin.</i> , Jan./March 1987, pp. 2-5.	
	HF	WILLIAMS, "The Switzerland and Minnesota Developments in CAD/CAM," <i>Journal of Dental Practice Admin.</i> , pp. 50-55, April/June 1987.	
	HG	WISHAN, "New Advances in Personal Computer Applications for Cephalometric Analysis, Growth Prediction, Surgical Treatment Planning and Imaging Processing," <i>Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery</i> , AAOMS, Sept. 13, 1990, p. 5.	
	HH	YAMAMOTO et al., "Three-Dimensional Measurement of Dental Cast Profiles and Its Applications to Orthodontics," <i>Annual Int'l Conf. of IEEE Engineering in Medicine and Biology Society</i> , Vol. 12, No. 5, pp. 2051-2053, 1990	
CEO	HI	YAMAMOTO et al., "Optical measurement of dental cast profile and application to analysis of three-dimensional tooth movement in orthodontics," <i>Frontiers in Med. and Biol. Eng'g</i> , Vol. 1, No. 2 (1988), pp. 119-130.	

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		First Named Inventor	PHAN, LOC X.
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U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>CEO</i> ↓ ↓ ↓ ↓ ↓ ↓ <i>CEO</i>	1	3,922,786	12/1975	Lavin	
	2	5,011,705	4/1991	Lemchen	
	3	5,957,686	9/1999	Anthony	
	4	5,964,587	10/1999	Sato	
	5	5,971,754	10/1999	Sondhi et al.	
	6	5,975,893	11/1999	Chistiti et al.	
	7	6,309,215	10/2001	Phan et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
CEO	8	WO	98/58596		12/1998			

 Examiner
Signature

Cary EO Connor

 Date
Considered

2/3/06

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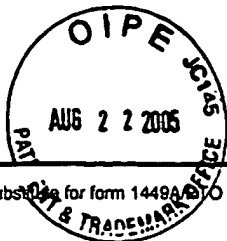
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ced	9	Chippone, "Constructing the gnathologic setup and positioner" <i>Journal of Clinical Orthodontics</i> (1980) 14:121-133.	
	10	Cottingham, "Gnathologic clear plastic positioner" <i>American Journal of Orthodontics</i> (1969) 55:23-31.	
	11	Cureton, "Correcting malaligned mandibular incisors with removable retainers" <i>Journal of Clinical Orthodontics</i> (1996) 30:390-395.	
	12	Kesling et al., "The philosophy of the tooth positioning appliance" <i>American Journal of Orthodontics and Oral Surgery</i> (1945) 31:297-304.	
	13	Kesling et al., "Coordinating the predetermined pattern and tooth positioner with conventional treatment" <i>American Journal of Orthodontics and Oral Surgery</i> (1945) 32:285-293.	
	14	Kleeman et al., "The speed positioner" <i>Journal of Clinical Orthodontics</i> (1996) 30:673-680.	
	15	Product Brochure, Raintree Essix™, Inc. New Orleans, Louisiana 70125, 7 pages total from http://www/essix.com/magazine/default.html .	
	16	Product Brochure, Tru-tain Orthodontic & Dental Supplies, Rochester, Minnesota 55902, 16 pages total.	
	17	Shilliday, "Minimizing finishing problems with the mini-positioner" <i>American Journal of Orthodontics</i> (1971) 59:596-599.	
	18	Warunek et al., "Clinical use of silicone elastomer appliances" <i>Journal of Clinical Orthodontics</i> (1989) 23:694-700.	
ced	19	Wells, "Application of the positioner appliance in orthodontic treatment" <i>American Journal of Orthodontics</i> (1969) 55:23-31.	

Examiner Signature	<i>Cory E. O'Connor</i>	Date Considered	2/3/06
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PTO/SB/08A (08-03)

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		Filing Date	September 12, 2003		
		First Named Inventor	PHAN, LOC X.		
		Art Unit	3732		
		Examiner Name	Unassigned		
Sheet	1	of	11	Attorney Docket Number	018563-001140US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CLO	1	3,407,500	10-29-1968	Kesling	
	2	3,600,808	08-24-1971	Reeve	
	3	3,683,502	08-15-1972	Wallshein.	
	4	3,983,628	10-05-1976	Acevedo	
	5	4,253,828	03-03-1981	Coles et al.	
	6	4,324,547	04-13-1982	Arcan et al.	
	7	4,500,294	02-19-1985	Lewis	
	8	4,526,540	07-02-1985	Dellinger	
	9	4,575,330	03-11-1986	Hull	
	10	4,591,341	05-27-1986	Andrews	
	11	4,609,349	09-02-1986	Cain	
	12	4,664,626	05-12-1987	Kesling	
	13	4,676,747	06-30-1987	Kesling	
	14	4,836,778	06-06-1989	Baumrind et al.	
	15	4,850,865	07-25-1989	Napolitano	
	16	4,877,398	10-31-1989	Kesling	
	17	4,880,380	11-14-1989	Martz	
	18	4,889,238	12-26-1989	Batchelor	
	19	4,890,608	01-02-1990	Steer	
	20	4,935,635	06-19-1990	O'Harra,	
	21	4,941,826	07-17-1990	Loran et al.	
	22	4,983,334	01-08-1991	Adell	
	23	5,125,832	06-30-1992	Kesling	
	24	5,145,364	09-08-1992	Martz et al.	
	25	5,176,517	01-05-1993	Traux	
	26	5,440,326	08-08-1995	Quinn	
	27	5,528,735	06-18-1996	Strasnick et al.	
	28	5,562,448	10-08-1996	Mushabac	
	29	5,621,648	04-15-1997	Crump	
	30	5,645,420	07-08-1997	Bergersen	
	31	5,692,894	12-02-1997	Schwartz et al.	
	32	5,725,376	03-10-1998	Poirier	
	33	5,725,378	03-10-1998	Wang	
	34	5,742,700	04-21-1998	Yoon et al.	
	35	5,799,100	08-25-1998	Clarke et al.	
	36	5,800,174	09-01-1998	Andersson	
	37	5,823,778	10-20-1998	Schmitt et al.	
	38	5,848,115	12-08-1998	Little et al.	
	39	5,857,853	01-12-1999	van Nifterick et al.	
	40	5,866,058	02-02-1999	Batchelder et al.	
	41	5,879,158	03-09-1999	Doyle et al.	

Examiner Signature	Cary E O'Connor	Date Considered	2/3/06
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			First Named Inventor	PHAN, LOC X.	
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CLO	42	5,880,961	03-09-1999	Crump	
	43	5,880,962	03-09-1999	Andersson et al.	
	44	5,934,288	08-10-1999	Avila et al.	
	45	5,957,686	09-28-1999	Anthony	
	46	6,015,289	01-18-2000	Andreiko et al.	
	47	6,044,309	03-28-2000	Honda	
	48	6,049,743	04-11-2000	Baba	
	49	6,062,861	05-16-2000	Andersson	
	50	6,068,482	05-30-2000	Snow	
	51	6,099,314	08-08-2000	Kopelman et al.	
	52	6,123,544	09-26-2000	Cleary	
	53	6,152,731	11-28-2000	Jordan et al.	
	54	6,183,248	02-06-2001	Chishti et al.	
	55	6,190,165	02-20-2001	Andreiko et al.	
	56	6,217,334	04-17-2001	Hultgren	
	57	6,244,861	06-12-2001	Andreiko et al.	
	58	6,315,553	11-13-2001	Sachdeva et al.	
	59	6,322,359	11-27-2001	Jordan et al.	
	60	6,350,120	02-26-2002	Sachdeva et al.	
	61	6,398,548	06-04-2002	Muhammad et al.	
	62	6,524,101	02-25-2003	Phan et al.	
	63	6,554,611	04-29-2003	Chishti et al.	
	64	2002/0006597	01-17-2002	Andreiko et al.	
CLO	65	RE 35169	03-05-1996	Lemchen et al.	

FOREIGN PATENT DOCUMENTS								
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
CEO	76	EP	0541500		05-12-1993	Nobelpharma AB		<input type="checkbox"/>
	77	EP	0667753		08-23-1995	Ormco Corp		<input type="checkbox"/>
	78	EP	0774933		05-28-1997	Sandvik AB		<input type="checkbox"/>
	79	EP	0731673		09-18-1996	Nobel Biocare AB		<input type="checkbox"/>
	80	ES	463897		01-01-1980	Hito Suyehiro		<input type="checkbox"/>
	81	FR	2369828		06-02-1978	Hito Suyehiro		<input checked="" type="checkbox"/>
	82	FR	2652256		03-29-1991	Jourda		<input checked="" type="checkbox"/>
	83	GB	1550777		08-22-1979	Hito Suyehiro		<input type="checkbox"/>
	84	JP	04-028359		01-30-1992	Mitsubishi Petrochemical Co		<input checked="" type="checkbox"/>
	85	JP	53-058191		05-25-1978	Yoshii		<input checked="" type="checkbox"/>
V	86	JP	08-508174		09-03-1996	Ormco Corp		<input checked="" type="checkbox"/>
	87	WO	90/08512		08-09-1990	Dolphin Imaging System		<input type="checkbox"/>
	88	WO	91/04713		04-18-1991	Jourda et.al.		<input type="checkbox"/>
	89	WO	94/10935		05-26-1994	Ormco Corp		<input type="checkbox"/>
	90	WO	98/32394		07-30-1998	Hultgren Bruce Willard		<input type="checkbox"/>
CEO	91	WO	98/44865		10-15-1998	Nobel Biocare AB		<input type="checkbox"/>

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				Art Unit	3732
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NON PATENT LITERATURE DOCUMENTS			
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CEO	92	ALEXANDER et al., The DigiGraph Work Station Part 2, Clinical Management, JCO (July 1990), pp. 402-407.	
	93	ALTSCHULER et al, Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix, SPIE Imaging Applications for Automated Industrial Inspection and Assembly, Vol. 182 (1979), p. 187-191.	
	94	ALTSCHULER et al., "Analysis of 3-D Data for Comparative 3-D Serial Growth Pattern Studies of Oral-Facial Structures," IADR Abstracts, Program and Abstracts of Papers, 57th General Session, IADR Annual Session, March 29, 1979 - April 1, 1979, New Orleans Marriot, Journal of Dental Research, Vol. 58, January, 1979, Special Issue A, p. 221.	
	95	ALTSCHULER et al., Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces, Optical Engineering, Vol. 20, No. 6, (1981), pp. 953-961.	
	96	ALTSCHULER, 3D Mapping of Maxillo-Facial Prosthesis, AADR Abstract #607, 1980, 2 pages total.	
	97	AMERICAN ASSOCIATION FOR DENTAL RESEARCH, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.	
	98	ANDERSSON et al., Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion, Acta Odontological Scandinavica, Vol. 47 (1989), pp. 279-286.	
	99	ANDREWS, The Six Keys to Optimal Occlusion Straight Wire, Chapter 3, pp 13-24.	
	100	BAUMRIND et al., A Stereophotogrammetric System for the Detection of Prosthesis Loosening in Total Hip Arthroplasty, NATO Symposium on Applications of Human Biostereometrics, July 9-13, 1978, SPIE, Vol. 166, pp. 112-123.	
	101	BAUMRIND et al., Mapping the Skull in 3-D, Reprinted from The Journal, California Dental Association, Vol. 48, No. 2 (1972 Fall Issue) 11 pages total.	
	102	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," An invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp. 142-166.	
✓	103	BAUMRIND, Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives, Seminars in Orthodontics, Vol. 7, No. 4 (Dec. 2001), pp. 223-232.	
CEO	104	BEGOLE et al., A Computer System for the Analysis of Dental Casts, The Angle Orthodontist, Vol. 51 No. 3 (July 1981), pp. 253-259.	

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ew	105	BERNARD et al., "Computerized Diagnosis in Orthodontics for Epidemiological Studies: A Progress Report, Paper presented at International Association for Dental Research 66th General Session, March 9-13, 1988, Montreal, Canada. The abstract is published in <i>J Dental Res Special Issue</i> Vol. 67, p. 169.	
	106	BHATIA et al., A Computer-Aided Design for Orthognathic Surgery, <i>British Journal of Oral and Maxillofacial Surgery</i> , Vol. 22 (1984), pp. 237-253.	
	107	BIGGERSTAFF et al., Computerized Analysis of Occlusion in the Postcanine Dentition, <i>American Journal of Orthodontics</i> , Vol. 61, No. 3 (Mar. 1972), pp. 245-254.	
	108	BIGGERSTAFF, Computerized Diagnostic Setups and Simulations, <i>The Angle Orthodontist</i> , Vol. 40, No. 1 (Jan. 1970), pp. 28-36.	
	109	BIOSTAR OPEATION & TRAINING MANUAL. Great Lakes Orthodontics, Ltd. 199 Fire Tower Drive, Tonawanda, New York. 14150-5890. 20 pages total	
	110	BOYD et al., Three Dimensional Diagnosis and Orthodontic Treatment of Complex Malocclusions Wlith the Invisalign Appliance, <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), p. 274-293.	
	111	BRANDESTINI et al., Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation, <i>Journal of Dental Research</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts 1985, p. 208	
	112	BROOK et al., An Image Analysis System for the Determination of Tooth Dimensions from Study Casts: Comparison with Manual Measurements of Mesio-distal Diameter, <i>J Dent Res.</i> , Vol. 65, No. 3, March 1986, pp. 428-431.	
	113	BURSTONE (interview), Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 1), <i>Journal of Clinical Orthodontics</i> , (1979 Jul), Vol. 13, No. 7, pp. 442-53.	
	114	BURSTONE (interview), Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 2), <i>Journal of Clinical Orthodontics</i> , (1979 Aug), Vol. 13, No. 8, pp. 539-51.	
	115	BURSTONE et al., Precision Adjustment of the Transpalatal Lingual Arch: Computer Arch Form Predetermination, <i>Am Journal of Orthodontics</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.	
	116	CARDINAL INDUSTRIAL FINISHES, Powder Coatings Information posted at http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages total.	
✓	117	CHACONAS et al., The DigiGraph Work Station, Part 1, Basic Concepts, <i>JCO</i> (June 1990), pp. 360-367.	
Ces	118	CHAFETZ et al., Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation, <i>Clinical Orthopedics and Related Research</i> , No. 201 (December 1985), pp. 60-67.	

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COO	119	CRAWFORD, CAD/CAM in the Dental Office: Does It Work? <i>Canadian Dental Journal</i> , Vol. 57, No. 2 (Feb. 1991), pp. 121-123.	
	120	CRAWFORD, "Computers in Dentistry: Part 1: CAD/CAM: The Computer Moves Chairsides," "Part 2: F. Duret — A Man With A Vision," "Part 3: The Computer Gives New Vision- Literally," "Part 4: Bytes 'N Bites" The Computer Moves From The Front Desk To The Operatory, <i>Canadian Dental Journal</i> , Vol. 54(9), (1988), pp. 661-666.	
	121	CROOKS, CAD/CAM Comes to USC, <i>USC Dentistry</i> , (Spring 1990) pp. 14-17.	
	122	CURRY et al., Integrated Three-Dimensional Craniofacial Mapping at the Craniofacial Research Instrumentation Laboratory/University of the Pacific, <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec 2001), pp. 258-265.	
	123	CUTTING et.al., Three-Dimensional Computer-Assisted Design of Craniofacial Surgical Procedures: Optimization and Interaction with Cephalometric and CT-Based Models, <i>Plastic and Reconstructive Surgery</i> , Vol. 77. No. 6 (June 1986). pp. 877-885.	
	124	DCS Dental AG, The CAD/CAM 'DCS Titan System' for Production of Crowns/Bridges, DSC Production AG, Jan. 1992, pp. 1-7.	
	125	DEFranco et al., Three-Dimensional Large Displacement Analysis of Orthodontic Appliances, <i>J. Biomechanics</i> , Vol. 9 (1976), pp. 793-801.	
	126	DENTAL INSTITUTE UNIVERSITY OF ZURICH SWITZERLAND, Program for International Symposium on Computer Restorations: State of the Art of the CEREC-Method, May 1991, 2 pages total.	
	127	DENTRAC CORPORATION, Dentrac document, pp. 4-13.	
	128	DENT-X posted at http://www.dent-x.com/DentSim.htm 09/24/98, 6 pages total.	
	129	DOYLE, Digital Dentistry, <i>Computer Graphics World</i> , Oct. 2000 pp. 50-52, 54.	
	130	DURET et al, CAD-CAM in Dentistry, <i>Journal of the American Dental Association</i> , Vol. 117 (Nov. 1988), pp. 715-720.	
	131	DURET et al., CAD/CAM Imaging in Dentistry, <i>Current Opinion in Dentistry</i> , Vol. 1 (1991), pp. 150-154.	
	132	DURET, The Dental CAD/CAM, General Description of the Project, <i>Hennson International Product Brochure</i> , Jan. 1986., 18 pages total.	
COO	133	DURET, Vers Une Prothese Informatisee, (English translation also attached), <i>Tonus</i> , Vol. 75, (Nov. 15, 1985), pp. 55-57.	

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CED	134	ECONOMIDES, The Microcomputer in the Orthodontic Office, JCO, (Nov. 1979), pp. 767-772.	
	135	ELSASSER, Some Observations on the History and Uses of the Kesling Positioner, Am. J. Orthod. (1950) 36:368-374.	
	136	FABER et al., Computerized interactive orthodontic treatment planning, Am. J. Orthod., Vol. 73, No. 1 (Jan. 1978), pp. 3646.	
	137	FELTON et al. A Computerized Analysis of the Shape and Stability of Mandibular Arch Form, Am. Journal of Orthodontics and Dentofacial Orthopedics, Vol. 92, No. 6 (Dec. 1987), pp. 478-483.	
	138	FRIEDE et al., Accuracy of Cephalometric Prediction in Orthognathic Surgery, Abstract of Papers, Journal of Dental Research, Vol. 70 (1987), pp. 754-760.	
	139	FÜTTERLING et al., "Automated Finite Element Modeling of a Human Mandible with Dental Implants," WSCG '98 -Conference Program, retrieved from the Internet: <<http://wscg.zcu.cz/wscg98/papers98/Strasser_98.pdf.>>, 8 pages total.	
	140	GIM-ALLDENT Deutschland, Das DUX System: Die Technik 2 pages total.	
	141	GOTTLEIB et al., "JCO Interviews Dr. James A. McNamara, Jr., on the Frankel Appliance: Part 2: Clinical Management," Journal of Clinical Orthodontics, Vol. 16, No. 6, (June 1982) pp. 390-407	
	142	GRAYSON, New Methods for Three Dimensional Analysis of Craniofacial Deformity, Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery, AAOMS Sept 13, 1990, 3 pages total.	
	143	GUESS et al., Computer Treatment Estimates In Orthodontics and Orthognathic Surgery, JCO, (April, 1989), pp. 262-28.	
	144	HEAVEN et al., Computer-based Image Analysis of Artificial Root Surface Caries, Abstracts of Papers, Journal of Dental Research, Vol. 70, April 17-21, 1991, p. 528.	
	145	HOFFMANN et al., Role of Cephalometry for Planning of Jaw Orthopedics and Jaw Surgery Procedures, (Article Summary In English, article in German), Informatbnen, (March 1991), pp. 375-396.	
	146	HOJJATIE et al., "Three-Dimensional Finite Element Analysis of Glass-Ceramic Dental Crowns," J Biomech. (1990) Vol. 23, No. 11, pp.1157-1166.	
	147	HUCKINS, CAD-CAM Generated Mandibular Model Prototype from MRI Data, AAOMS 1999, p. 96.	
CED	148	JCO Interviews, Craig Andreiko, DDS, MS on the Elan and Orthos Systems, JCO, (Aug. 1994), pp. 459-468.	

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CU	149	JCO Interviews, Dr. Homer W. Phillips on Computers in Orthodontic Practice, Part 2, JCO, (Dec. 1983), pp. 819-831.	
	150	JERROLD, The Problem, Electronic Data Transmission and the Law, AJO-DO, (Apr. 1988), pp. 478-479.	
	151	JONES et al., An Assessment of the Fit of a Parabolic Curve to Pre- and Post-Treatment Dental Arches, British Journal of Orthodontics, Vol. 16 (1989), pp. 85-93.	
	152	KAMADA et al., Case Reports On Tooth Positioners Using LTV Vinyl Silicone Rubber, J. Nihon University School of Dentistry (1984) 26(1): 11 -29.	
	153	KAMADA et al., Construction of Tooth Positioners with LTV Vinyl Silicone Rubber and Some Case Reports, J. Nihon University School of Dentistry (1982) 24(1):1-27.	
	154	KANAZAWA et al., Three-Dimensional Measurements of the Occlusal Surfaces of Upper Molars in a Dutch Population, J. Dent Res., Vol. 63, No. 11 (Nov. 1984), pp. 1298-1301.	
	155	KUNII et al., Articulation Simulation for an Intelligent Dental Care System, Displays (1994) 15:181-188.	
	156	KURODA et al., Three-Dimensional Dental Cast Analyzing System Using Laser Scanning, Am. J. Orthod. Dentofac. Orthop. (1996) 110:365-369.	
	157	LAURENDEAU et al, A Computer-Vision Technique for the Acquisition and Processing of 3-D Profiles of Dental Imprints: An Application in Orthodontics, IEEE Transactions on Medical Imaging, Vol. 10, No. 3 (Sept. 1991), pp. 453-461.	
	158	LEINFELDER et al, A New Method for Generating Ceramic Restorations: a CAD-CAM system, Journal Of The American Dental Assoc, Vol. 118, No. 6 (Jun. 1989), pp. 703-707.	
	159	MANETTI et al., Computer-aided Cefalometry and New Mechanics in Orthodontics (Article Summary in English, article in German), Fortschr. Kieferorthop. 44, 370-376 (Nr. 5), 1983	
	160	MCCANN, Inside the ADA, Journal of the American Dental Assoc, Vol. 118 (March 1989) pp. 286-294.	
	161	MCNAMARA et al, Orthodontic and Orthopedic Treatment in the Mixed Dentition, Needham Press, January 1993. pp.347-353.	
	162	MCNAMARA et al, Invisible Retainers, J. Clinical Orthodontics, (August 1985) pp. 570-578.	
↓	163	MOERMANN et al, Computer Machined Adhesive Porcelain Inlays: Margin Adaptation after Fatigue Stress, IADR Abstract 339, Journal of Dental Research, Vol. 66(a) (1987), p: 763.	
CU	164	MÖRMANN et al., "Marginale Adaptation von adhäsiven Porzellaninlays in vitro," Separatdruck aus: Schweiz. Mschr. Zahnmed. 95: 1118-1129, 1985.	

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CO	165	NAHOUM, "The Vacuum Formed Dental Contour Appliance," <i>The New York State Dental Journal</i> , (November 1964) Vol. 30, No. 9, pp. 385-390	
	166	NASH, CEREC CAD/CAM Inlays: Aesthetics and Durability in a Single Appointment, <i>Dentistry Today</i> , (October 1990), pp. 20, 22-23, 54.	
	167	NISHIYAMA et al., A New Construction of Tooth Repositioner by LTV Vinyl Silicone Rubber, <i>J. Nihon University School of Dentistry</i> (1977) 19(2):93-102.	
	168	PINKHAM, 'Foolish' Concept Propels Technology, <i>Dentist</i> , Jan./Feb. 1989, 3 pages total.	
	169	PINKHAM, Inventor's CAD/CAM May Transform Dentistry, <i>Dentist</i> , Sept. 1990, 3 pages total.	
	170	PONITZ, Invisible Retainers, <i>Am J. Orthod.</i> , Vol 59, No. 3 (March 1971) pp. 266-272	
	171	PROCERA RESEARCH PROJECTS, PROCERA Research Projects 1993 — Abstract Collection, 1993, pp. 3-28.	
	172	PROFFIT et al, <i>Contemporary Orthodontics</i> (Second Ed.) Chapter 15, Mosby Inc, (October 1992), pp 470-533	
	173	REDMOND et al. Clinical Implications of Digital Orthodontics, <i>Am. J. Orthodont. Dentofacial Orthopedics</i> , Vol. 117 No. 2 (2001), pp. 240-242.	
	174	REKOW et al., "CAD/CAM for Dental Restorations - Some of the Curious Challenges," <i>IEEE Transactions on Biomedical Engineering</i> , (April 1991) Vol. 38, No. 4, pp. 344-345.	
	175	REKOW et al., "Comparison of Three Data Acquisition Techniques for 3-D Tooth Surface Mapping," <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , (1991) Vol. 13, No. 1, pp. 344-345.	
	176	REKOW, A Review of the Developments in Dental CAD/CAM Systems, (contains references to Japanese efforts and content of the papers of particular interest to the clinician are indicated with a one-line summary of their content in the bibliography), <i>Curr Opin Dent.</i> (1992 Jun) Vol. 2, pp. 25-33.	
	177	REKOW, CAD/CAM in Dentistry: A Historical Perspective and View of the Future, <i>J Can Dent Assoc</i> , Vol. 58 No. 4, (April 1992), pp. 283, 287-288.	
	178	REKOW, Computer-Aided Design and Manufacturing in Dentistry: A Review of the State of the Art, <i>The Journal of Prosthetic Dentistry</i> , Vol. 58, No. 4 (Oct. 1987), pp. 512-516.	
V	179	REKOW, Dental CAD-CAM Systems: What is the State of the Art? <i>Journal of the American Dental Assoc</i> , Vol. 122 (1991), pp. 43-48.	
CO	180	REKOW, Feasibility of an Automated System for Production of Dental Restorations, PhD Thesis, Univ. of Minnesota, Nov. 1988, 244 pages total,	
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			2/3/06

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CEO	181	RICHMOND et al., The Development of the PAR Index (Peer Assessment Rating): Reliability and Validity, <i>European Journal of Orthodontics</i> (1992) 14:125-139.	
	182	RICHMOND et al., Research Reports, The Development of a 3D Cast Analysis System, <i>British Journal of Orthodontics</i> , pp. 53-54.	
	183	RICHMOND, Recording The Dental Cast In Three Dimensions, <i>Am. J. Orthod. Dentofac. Orthop.</i> , Vol. 92, No. 3, (Sept. 1987), pp.199-206.	
	184	RUDGE, Dental arch analysis: arch form, A review of the literature, <i>European Journal of Orthodontics</i> , Vol. 3, No. 4 (1981), pp.279-284.	
	185	SAKUDA et al., Integrated Information-Processing System In Clinical Orthodontics: An Approach with Use of a Computer Network System, <i>Am. J. Orthod. Dentofac. Orthop.</i> Vol. 101 No. 3 (March 1992), pp. 210-220.	
	186	SHELLHAS et al., Three-Dimensional Computed Tomography in Maxillofacial Surgical Planning, <i>Arch Otolaryngol Head Neck Surg.</i> Vol. 114 (April 1988), pp. 438-442.	
	187	SCHROEDER et al., Eds. The Visual Toolkit, Prentice Hall PTR, New Jersey (1998) Chapters 6, 8 & 9, (pages 153-210, 309-354, and 355-428, respectively).	
	188	SIEMENS, CEREC - Computer-Reconstruction, High Tech in der Zahnmedizin, 14 page total.	
	189	SINCLAIR, "The Readers' Corner," <i>Journal of Clinical Orthodontics</i> , Vol 26, No. 6, (June 1992) pp. 369-372	
	190	SIRONA DENTAL SYSTEMS GmbH, CEREC 3D, Manuel utilisateur, Version 2.0X (in French), 2003, 114 pages total.	
	191	STOLL et al., Computer-aided Technologies in Dentistry (Article Summary in English, article in German), <i>Dtsch Zahnärztl Z</i> 45, 314-322, 1990.	
	192	U.S. Department of Commerce, National Technical Information Service, Automated Crown Replication Using Solid Photography SM, Solid Photography Inc. Melville NY, October 1977, 20 pages total.	
	193	U.S. Department of Commerce, National Technical Information Service, Holodontography: An Introduction to Dental Laser Holography, School of Aerospace Medicine Brooks AFB Tex, March 1973, 37 pages total.	
	194	U.S. Provisional Patent Application No. 60/050342, filed on June 20, 1997, 41 pages total.	
✓	195	VAN DER LINDEN et al., Three-Dimensional Analysis of Dental Casts by Means of the Optocom, <i>J Dent Res</i> , July-August 1972, p. 1100.	
CEO	196	VAN DER LINDEN, A New Method to Determine Tooth Positions and Dental Arch Dimensions, <i>J Dent Res</i> , July-August 1972, Vol. 51, No. 4, p. 1104.	

Examiner Signature	Cary E O'Connor	Date Considered	2/3/06
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Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/660,857	
			Filing Date	September 12, 2003	
			First Named Inventor	PHAN, LOC X.	
			Art Unit	3732	
			Examiner Name	Unassigned	
Sheet	11	of	11	Attorney Docket Number	018563-001140US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CEO	197	VAN DER ZEL, Ceramic-fused-to-metal Restorations with a New CAD/CAM System, <i>Quintessence International</i> , Vol. 24, No. 11 (1993), pp. 769-778.	
	198	VARADY et al., Reverse Engineering Of Geometric Models—An Introduction, <i>Computer-Aided Design</i> , 29 (4):255-268, 1997.	
	199	WARUNEK et al., "Physical and Mechanical Properties of Elastomers in Orthodontic Positioners, <i>Am J. Orthod. Dentofac. Orthop.</i> , Vol. 95, No. 5, (May 1989) pp. 399-400.	
	200	WILLIAMS, Dentistry and CAD/CAM: Another French Revolution, <i>Journal of Dental Practice Admin.</i> , Jan./March 1987, pp. 2-5.	
	201	WILLIAMS, The Switzerland and Minnesota Developments in CAD/CAM, <i>Journal of Dental Practice Admin.</i> , pp. 50-55, April/June 1987.	
	202	WISHAN, New Advances in Personal Computer Applications for Cephalometric Analysis, Growth Prediction, Surgical Treatment Planning and Imaging Processing, Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery Presented on September 13, 1999	
	203	YAMAMOTO et al., Optical Measurement of Dental Cast Profile and Application to Analysis of Three-Dimensional Tooth Movement in Orthodontics, <i>Frontiers in Med. and Biol. Eng'g</i> , Vol. 1, No. 2 (1988), pp. 119-130.	
	204	YAMAMOTO et al., Three-Dimensional Measurement of Dental Cast Profiles and Its Applications to Orthodontics, <i>Annual Int'l Conf. of IEEE Engineering in Medicine and Biology Society</i> , Vol. 12, No. 5 (1990), pp. 2051-2053	
	205	YOSHII, Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-I. The D.P. concept and Implementation of Transparent Silicone Resin (Orthocon), <i>Nippon Dental Review</i> , Vol. 452, 6/80, pp. 61-74.	
	206	YOSHII, Research on A New Orthodontic Appliance: The Dynamic Positioner (D.P.)-II. Th D.P. Manufacturing Procedure and Clinical Applications, <i>Nippon Dental Review</i> , Vol. 454, Aug. 1980, pp. 107-130.	
✓	207	YOSHII, Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-III. The General Concept of the D.P. Method and its Therapeutic Effect, Part 1, Dental and Functional Reversed Occlusion Case Reports, <i>Nippon Dental Review</i> , Vol. 457, 11/80, pp. 146-164.	
CEO	208	YOSHII, Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-III. The General Concept of the D.P. Method and its Therapeutic Effect, Part 2. Skeletal reversed Occlusion Case Reports, <i>Nippon Dental Review</i> , Vol. 458, 12/80, pp. 112-129.	

Examiner Signature	<i>Cary E O'Connor</i>	Date Considered	2/3/06
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